



U.S. Department  
of Transportation  
**Research and  
Special Programs  
Administration**

MAR 22 2001

400 Seventh St., S.W.  
Washington, D.C. 20590

MAR 22 2001

DOT-E 5493  
(TWELFTH REVISION)

EXPIRATION DATE: February 28, 2003

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Montana Sulfur and Chemical Company  
Billings, Montana

(See Appendix A to this document for a list of additional grantees)

2. PURPOSE AND LIMITATION:

a. This exemption authorizes the transportation in commerce of hydrogen sulfide, liquefied, a Division 2.3 material, in certain single-unit tank cars, and provides no relief from any other regulation other than as specifically stated.

b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.314(c) in that a DOT-specification 105 class tank car is not authorized for hydrogen sulfide, liquefied, except as specified herein.
5. BASIS: This exemption is based on Montana Sulfur and Chemical Company's application dated March 2, 2001, submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous materials description/proper shipping name	Hazard Class/Division	Identification Number	Packing Group
Hydrogen sulfide	2.3	UN1053	NA

7. SAFETY CONTROL MEASURES:a. PACKAGING - Packagings prescribed are:

1. DOT Specification 105J600W tank cars fabricated and equipped in accordance with all details included in General American Transportation Corporation's AAR application number 21687 and any subsequent revisions on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA).
2. DOT Specification 105J600W tank cars fabricated and equipped in accordance with all details included in ACF Industries, Incorporated's AAR application number 20628 and any subsequent revisions on file with the OHMEA.

b. TESTING - Each tank car must be tested and retested as specified for DOT Specification 105J600W tank car tanks.

8. SPECIAL PROVISIONS:

a. The commodity loading temperature may not be less than -20° F.

b. Tanks must be loaded by weight in lieu of any other metering or gauging device. The maximum permitted filling density must not exceed 72%.

c. The gauge pressure of the gas may not exceed 450 psi at 105°F.

d. The water content of the gas may not exceed 0.10% by weight.

e. MARKING - Each tank car must be marked "DOT-E 5493" in four inch letters and numerals, on a contrasting background, above the DOT specification number.

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Additionally, each tank car must be marked "Minus 20° F., Minimum Loading Temperature" on each side near the tank specification number.

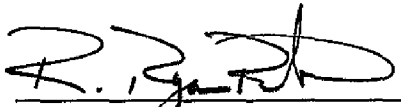
9. MODES OF TRANSPORTATION AUTHORIZED: Rail freight.
10. MODAL REQUIREMENTS: None as a requirement of this exemption.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq.
- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
  - o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incidents involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:

  
Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety

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Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590. Attention: DHM-31.

The original of this exemption is on file at the above office. Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

Copies of exemptions may be obtained from the AAHMS, U.S. Department of Transportation, 400 7th Street, S.W., Washington, DC 20590-0001, Attention: Records Center, 202-366-5046.

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The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

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Company Name City & State	Applica- tion date	Issue Date	Expiration Date
Chemtrade Logistics North York, Ontario, Canada (U.S. Agent: Chemtrade Logistics Chicago, IL)	6/15/2001 and 7/19/2001	JUL 27 2001	2/28/2003
Marsulex Inc. North York, Ontario, Canada (U.S. Agent: Marsulex Inc., Toledo, OH)	3/29/2001	6/27/2001	2/28/2003
Thio-Pet Chemicals Ltd. Edmonton, Alberta, Canada (U.S. Agent: WESTAIM Biomedical Inc. Exeter, NH)	12/6/1999	12/6/1999	7/31/2001



 Robert A. McGuire  
Associate Administrator for  
Hazardous Materials Safety